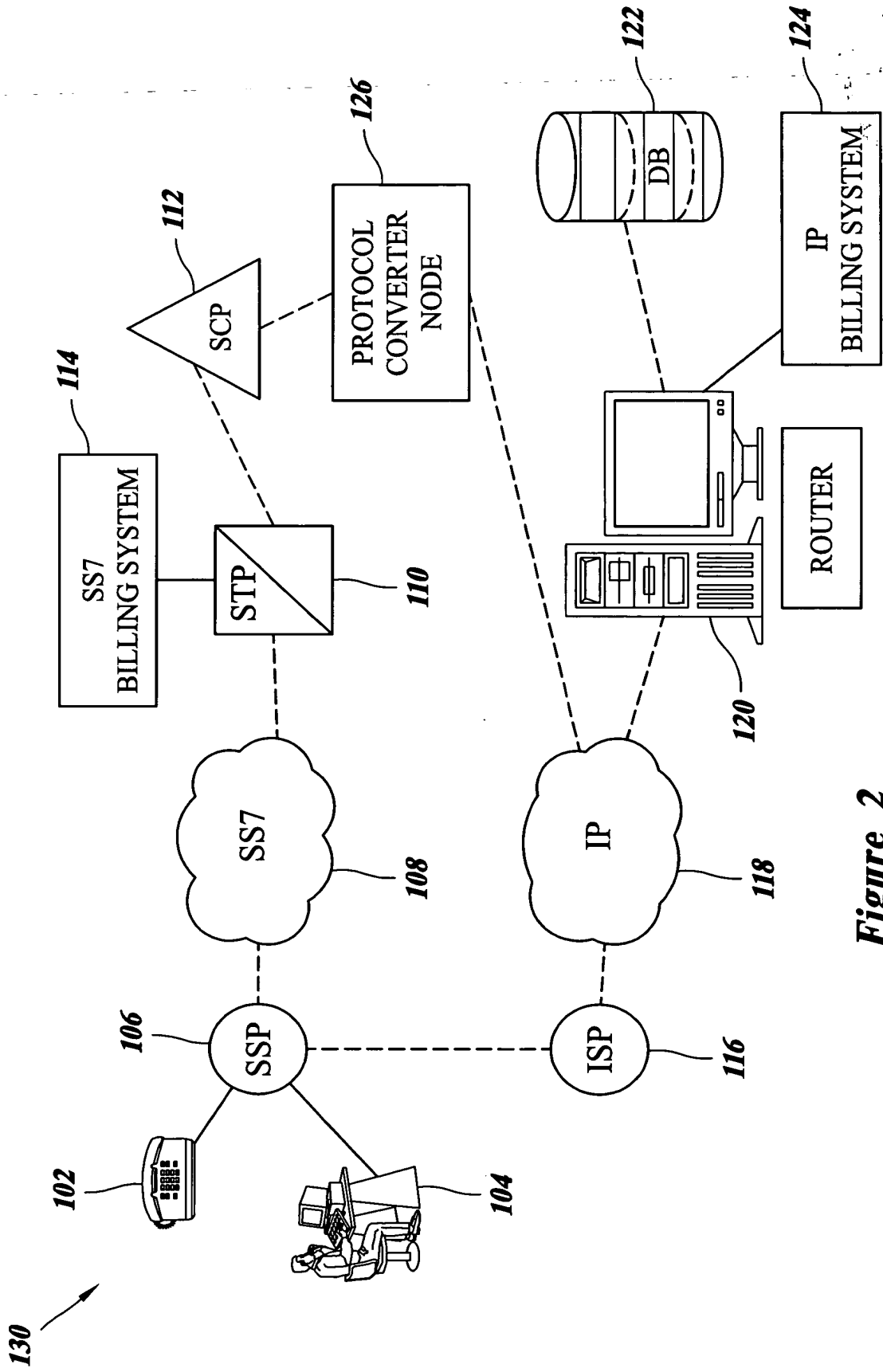
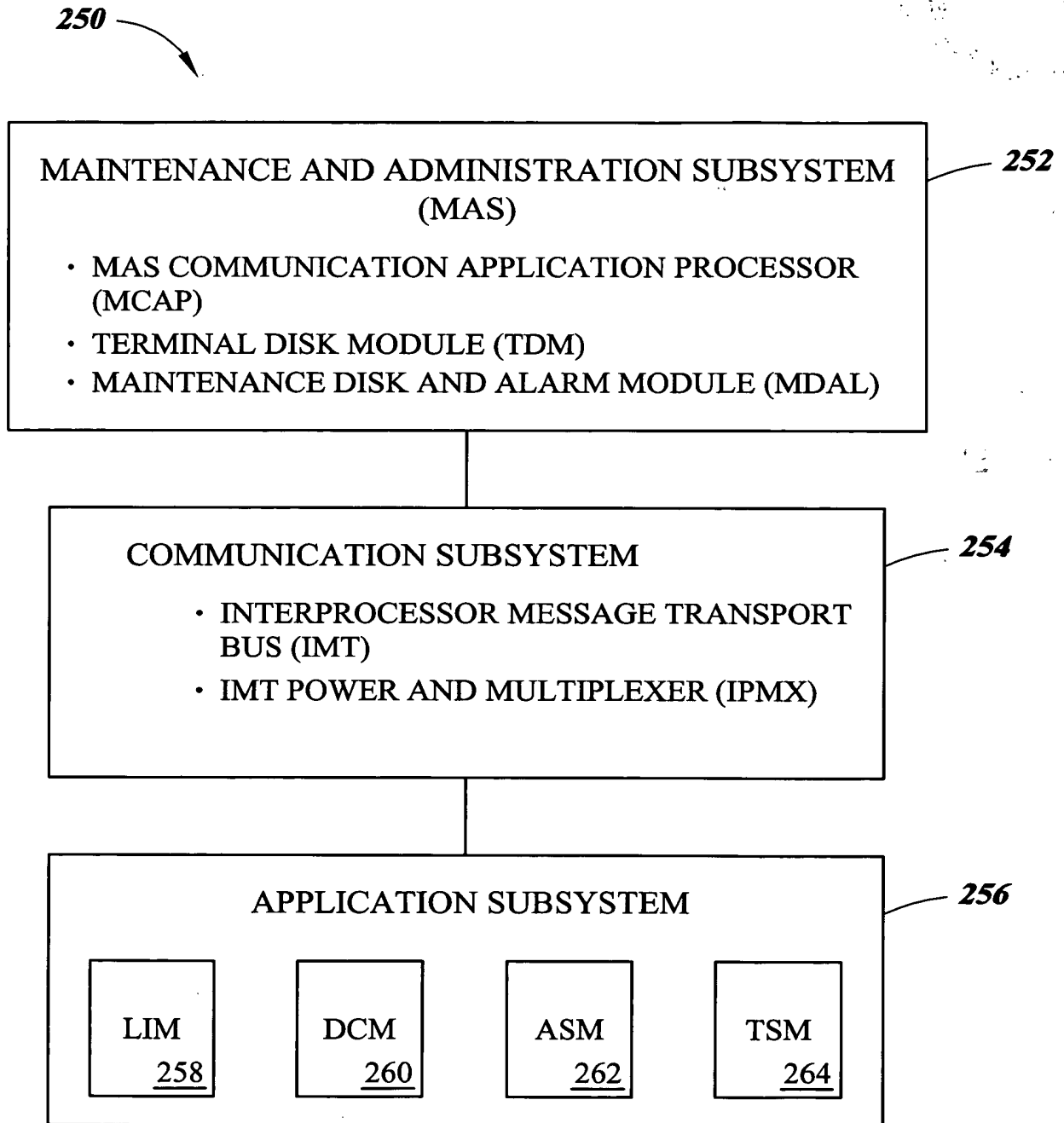


**Figure 1**  
(PRIOR ART)



**Figure 2**  
**(PRIOR ART)**



**Figure 3**

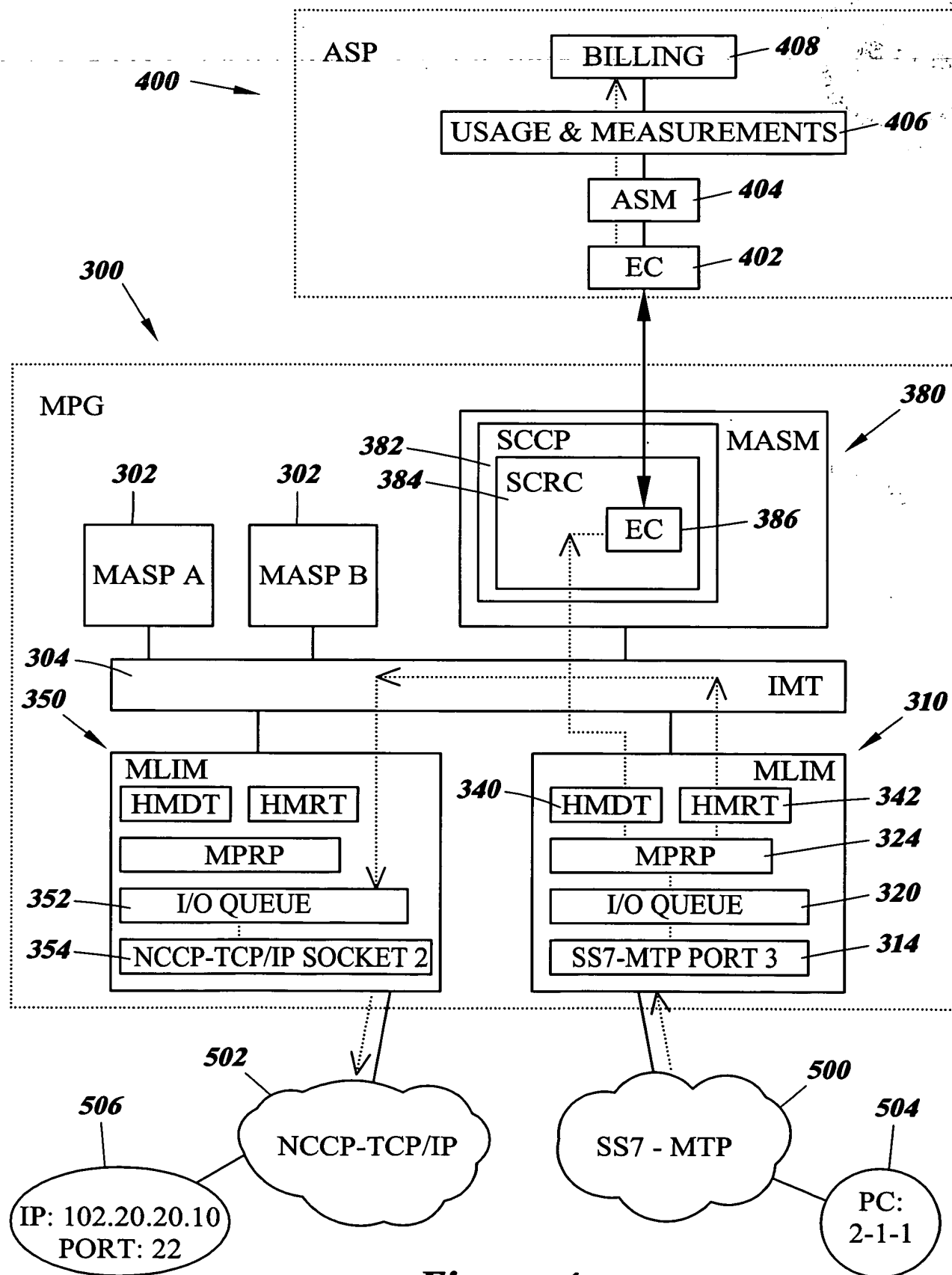


Figure 4

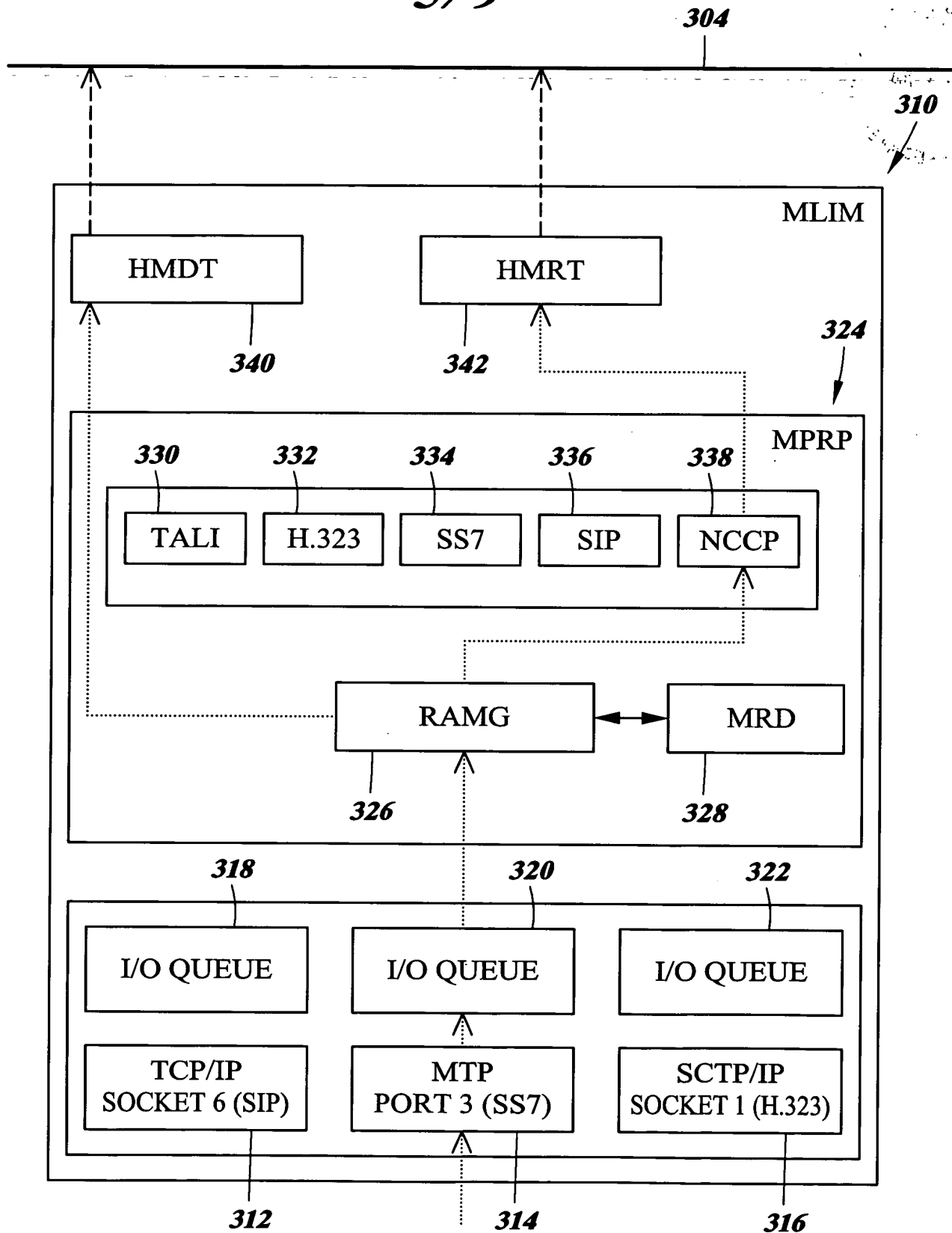


Figure 5

MRD DATABASE											
SS7 KEYS				DATA FIELDS							
KEY 1		KEY 2		DPC	SSN	SIGNALING PROTOCOL	PC/IP Add.	SSN/ PORT	ACCT. MLIM	OUTBOUND SOCKET/PORT	
		CdPA									
2-1-1	50	*	*			SS7	2-1-1	50	NO	2201	5
1-1-1	*	*	*			NCCP	102.20.20.10	22	YES	2201	1
*	*	9194605555				SIP	102.20.20.12	20	YES	2201	2
2-1-1	78	*	*			NCCP	104.20.10.10	30	NO	2102	8
2-1-2	*	*	*			H.323	uswest.cnaml	*	YES	4101	1
3-1-1	*	*	*			SS7	103.23.23.10	45	YES	3306	6

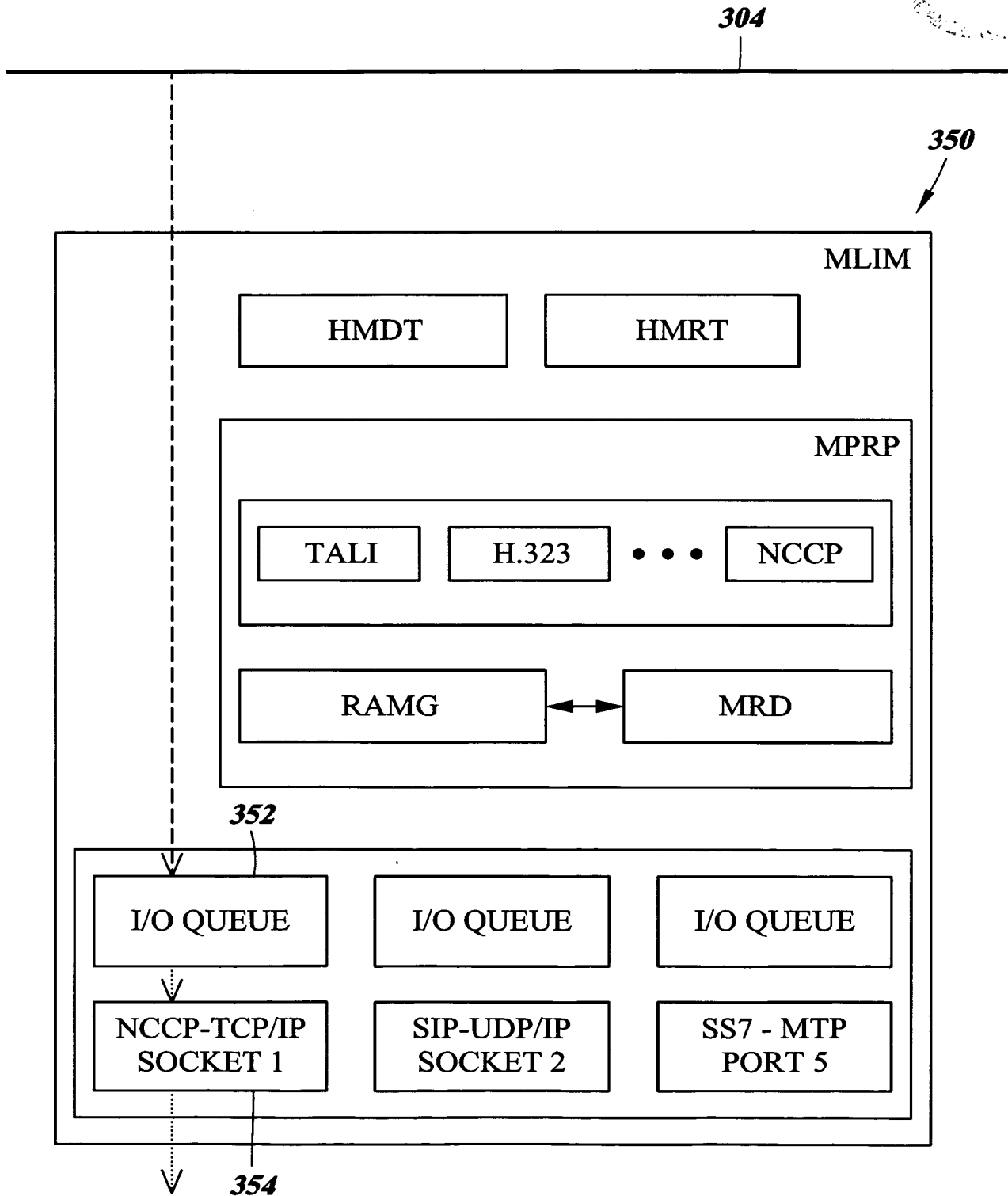
Figure 6(A)

600

MRD DATABASE									
IP KEYS			DATA FIELDS						
KEY 3		KEY 4		SIGNALING PROTOCOL	PC/IP Add.	SSN/ PORT	OUTBOUND ACCT.	OUTBOUND MLIM	OUTBOUND SOCKET/PORT
HOST	PORT	CdPA							
101.10.10.25	23	*		SS7	2-1-1	50	NO	4201	12
101.10.10.35	34	*		SS7	2-1-1	50	NO	4101	3
*	*	jsmith@aol.com		SS7	2-1-1	20	YES	4301	16
102.20.20.10	25	*		SIP	101.50.50.10	45	YES	4101	6
102.20.20.10	23	*		H.323	102-20-20-10	23	YES	3108	15
103.30.30.10	24	*		NCCP	103.30.30.10	24	NO	3402	13
		Retailer.com		SIP	104.40.50.10	34	YES	3301	18

602

Figure 6(B)



**Figure 7**



USAGE & MEASUREMENTS DATABASE							
KEYS		DATA FIELDS					
CALL ID	TIME	SERVICE PROVIDER	SERVICE RECIPIENT	SERVICE TYPE	CdPA	PC/IP Add.	ORIGINATING SSN/PORT
1025	23:12.23	12	34	01	jsmith@aol.com	2-1-1	50
1534	23:34.01	23	13	01	9194605500	102.20.20.10	23
1632	23:36.59	12	15	03	Retailer.com	103.30.30.10	24

410

Figure 8